CLAIMS

What is claimed is:

1. A servo writer for writing servo information onto a disk of a hard disk drive, comprising:

a housing with an inner chamber that can receive the disk of the hard disk drive;

a circuit that writes servo information onto the disk; and,

a medium control system that is coupled to said inner chamber to create a fluid medium density within said inner chamber to be less than a density of air at one atmosphere.

2. The servo writer of claim 1, wherein said medium control system includes a pump to maintain a pressure of said inner chamber below one atmosphere.

3. The servo writer of claim 1, wherein said medium control system includes a source of helium that fills said inner chamber with helium.

4. The servo writer of claim 1, further comprising a spindle located within said inner chamber.

5. The servo writer of claim 1, wherein said housing is located within a clean room.

6. A servo writer for writing servo information onto a disk of a hard disk drive, comprising:

a housing with an inner chamber that can receive the disk of the hard disk drive;

a circuit that writes servo information onto the disk; and,

medium control means for creating a fluid medium density within said inner chamber to be less than a density of air at atmospheric pressure.

7. The servo writer of claim 6, wherein said medium control means includes a pump to maintain a pressure of said inner chamber below one atmosphere.

8. The servo writer of claim 6, wherein said medium control means includes a source of helium that fills said inner chamber with helium.

9. The servo writer of claim 6, further comprising a spindle located within said inner chamber.

10. The servo writer of claim 6, wherein said housing is located within a clean room.

11. A method for writing servo information onto a disk of a hard disk drive, comprising:

placing a disk into a inner chamber of a housing;

creating a condition within the inner chamber so that a density of a fluid medium in the inner chamber is less than a density of air at one atmosphere; and,

writing servo information onto the disk.

12. The method of claim 11, wherein the condition is created by pulling a vacuum within the inner chamber.

13. The method of claim 11, wherein the condition is created by filling the inner chamber with helium.

14. The method of claim 11, wherein the disk is loaded onto a spindle located within the inner chamber.

15. The method of claim 11, wherein the housing is located within a clean room.

16. The method of claim 11, wherein a hard disk drive that contains the disk is placed into the inner chamber.